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C-A OPERATIONS PROCEDURES MANUAL

ATTACHMENT

4.56.ae U Downstream Sweep Checklist

C-A-OPM Procedures in which this Attachment is used.		
4.56		

Hand Processed Changes

<u>HPC No.</u>	<u>Date</u>	<u>Page Nos.</u>	<u>Initials</u>
_____	_____	_____	_____
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Approved: _____ [Signature On File](#) _____
 Collider-Accelerator Department Chairman Date

P. Ingrassia

U DOWNSTREAM SWEEP CHECKLIST

Team leader _____ Operator 2 _____

Time: _____ Date: _____

Warning:

ONCE A SWEEP IS COMPLETE, ANY WORKER LEFT IN THE ENCLOSURE MUST HAVE A CA(EB005) KEY.
IF any personnel are encountered during the sweep, **THEN** determine whether their work will be completed in a short time.
IF the work will take a long time, **THEN** contact the OC to see if the sweep should be aborted or the workers asked to leave to obtain a CA(EB005) key. **IF** the work will be completed in a SHORT time, **THEN** write the name(s) of the workers at the end of the checklist and verify that they leave the enclosure **WITH** the sweep team.

Prerequisites

- Two persons to perform the sweep,
- U Downstream Sweep Checklist for C-A-OPM-ATT 4.56.ae (one sheet)
- Required Tools: at least one flashlight,
- TLD, Alarming (chirping) Self Reading Dosimeter (SRD) and Pencil Type (SRD)
- Walkie-talkie
- Keys: Controlled Access (EB005) Sweep/Reset (EB004) keys, and AA256A key for weather doors.

Check

- ____ 1. Team Leader contacts MCR to verify that U Downstream is on Controlled Access AND that gate UG11 is RESET.
- ____ 2. IF UG11 was found to be NOT RESET (step 1) then abort the sweep; RESET it and continue.

Note:

To RESET UG11, U Upstream must be swept per C-A-OPM-ATT 4.56.x

- ____ 3. Sweep Team goes to U Downstream gate (UGE2).
- ____ 4. Team Leader requests simultaneous release from MCR.

Note:

The Operator in the MCR must hold the UGE2 gate release on the PanelView until the gate is closed.

- ____ 5. Team leader opens UGE2 gate by turning the CA(EB005) in the OPEN key-switch while Operator in MCR presses simultaneous release for gate UGE2.
- ____ 6. Team Leader radios operator in MCR to report they have entered and the gate is closed.
- ____ 7. Sweep Team walks through the labyrinth to the W line.
- ____ 8. Sweep Team crosses under the **W** line and walks downstream to the end of the **U** line.
- ____ 9. Operator #2 starts the sweep by resetting the check station 1 at the extreme downstream end of the U line with the S/R(EB004) key in the SWEEP key switch.
- ____ 10. Observe the AREA SECURED amber lamp light for two seconds.
- ____ 11. Sweep Team sweeps upstream to the UGE3 labyrinth
- ____ 12. Team Leader stands static watch in the U line at the entrance to the UGE3 labyrinth.

- ___13. Operator #2 walks to UGE3 at the end of the labyrinth.
- ___14. Operator #2 resets the check station 2 at inside of UGE3 with the S/R(EB004) key in the SWEEP key switch.
- ___15. Observe the AREA SECURED amber lamp light for two seconds.

CONTINUED ON REVERSE SIDE

Note:

The Operator will use AA256A key to open the weather doors and return to the U Line.

- ___16. Operator #2 sweeps out the labyrinth to the U line and rejoins Team Leader.
- ___17. Sweep Team Sweeps Upstream to the Crotch where U and W line are joined.
- ___18. Team Leader stands static watch at U/W crotch.
- ___19. Operator #2 walks downstream in the W line to the end at gate UED1.
- ___20. Operator #2 resets gate UED1 with the S/R(EB004) key in the RESET key switch.
- ___21. Observe the Gate SECURED amber lamp light if the gate was not previously reset.
- ___22. Operator #2 resets check station number 3 inside UED1 with the S/R(EB004) key in the SWEEP key switch.
- ___23. Observe the AREA SECURED amber lamp light for two seconds.
- ___24. Operator #2 sweeps out the labyrinth to the W line and checks a top shield blocks.
- ___25. Operator #2 sweeps upstream to the U line and rejoins team leader.
- ___26. Operator #2 walks upstream in the U line to the UG11 gate.
- ___27. Operator #2 resets check station number 4 at UG11 with the S/R(EB004) key in the SWEEP key switch.
- ___28. Observe the AREA SECURED amber lamp light for two seconds.
- ___29. Observe the AREA SECURED amber lamp is lit for U Upstream.
- ___30. Operator #2 sweeps upstream to U/W Crotch and rejoins Team Leader.
- ___31. Sweep Team sweeps out the labyrinth to gate UGE2.
- ___32. Operator #2 ends the sweep by resetting check station number 5 inside UGE2 with the S/R(EB004) key in the SWEEP key switch. Observe area secured light will light.
- ___33. Team Leader calls an operator in the MCR for a simultaneous release before opening UGE2.

Note:

The Operator in the MCR must hold the UGE2 gate release on the PanelView until the gate is closed.

- ___34. Sweep Team sweeps through UGE2 after operator in MCR gives the release.
- ___35. Team Leader radios operator in MCR to report UGE2 is closed.
- ___36. Observe the AREA SECURED amber light will remain lighted.
- ___37. Team Leader confirms with an operator in the MCR that the sweep is OK.
- ___38. Sweep Team (at conclusion of all sweeps) returns to MCR.
- ___39. Capture CA (EB005) and S/R (EB004) keys in the key tree.
- ___40. Reset Gates UGE3 and UGE2 in MCR.
- ___41. Confirm Gates UGE3 and UGE2 are reset using PanelView.
- ___42. Team Leader files completed checklist in Completed Sweep Checklist Binder.